

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
NOV 17 1992  
OIL CON. DIV.  
DIST. 3

30-039-25240 ✓  
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                 |                                                   |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 1a. TYPE OF WORK<br>DRILL                                                                                       | 5. LEASE NUMBER<br>SF-078423                      |
| 1b. TYPE OF WELL<br>GAS                                                                                         | 6. IF INDIAN, ALL. OR TRIBE NAME                  |
| 2. OPERATOR<br>MERIDIAN OIL INC. ✓ 14538                                                                        | 7. UNIT AGREEMENT NAME<br>SAN JUAN 29-7 UNIT ✓    |
| 3. ADDRESS & PHONE NO. OF OPERATOR<br>P O BOX 4289<br>FARMINGTON, NM 87499                                      | 8. FARM OR LEASE NAME<br>SAN JUAN 29-7 UNIT 7465  |
| 4. LOCATION OF WELL<br>1070' FNL 1775' FEL                                                                      | 9. WELL NO.<br>534 ✓                              |
| 10. FIELD, POOL, OR WILDCAT<br>BASIN FRUITLAND COAL 21679                                                       | 11. SEC. T. R. M OR BLK.<br>SEC. 9 T29N R07W NMPM |
| 14. DISTANCE IN MILES FROM NEAREST TOWN<br>1 MILE E. OF NAVAJO CITY                                             | 12. COUNTY<br>✓ RIO ARRIBA                        |
| 15. DISTANCE FROM<br>PROPOSED LOCATION 1070'<br>TO NEAREST PROPERTY<br>OR LEASE LINE.                           | 13. STATE<br>NM                                   |
| 16. ACRES IN LEASE<br>2,400.00                                                                                  | 17. ACRES ASSIGNED TO WELL<br>E/ 320.00           |
| 18. DISTANCE FROM<br>PROPOSED LOCATION<br>TO NEAREST WELL DR. 1000'<br>COMPL., OR APPLIED<br>FOR ON THIS LEASE. | 19. PROPOSED DEPTH<br>2965'                       |
| 20. ROTARY OR CABLE TOOLS<br>ROTARY                                                                             | 21. ELEVATIONS (DF, FT, GR, ETC.)<br>6152' GL     |
| 22. APPROX. DATE WORK WILL START                                                                                |                                                   |

This application is subject to the Bureau's  
procedural review pursuant to 43 CFR 3160.3  
and appeal pursuant to 43 CFR 3165.4.

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: Daniel A. Lohman  
REG. DRILLING ENGR.

10/22/92  
DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED  
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

ARCH REPORT SUBMITTED 10/08/92  
WILDLIFE REPORT SUBMITTED 10/05/92

RECORDED

NOV 18 1992  
FOR AREA MANAGER

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

RECEIVED  
OLM

NOV 25 PM 3:17

SANTA FE, N.M.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Arama, NM 88210

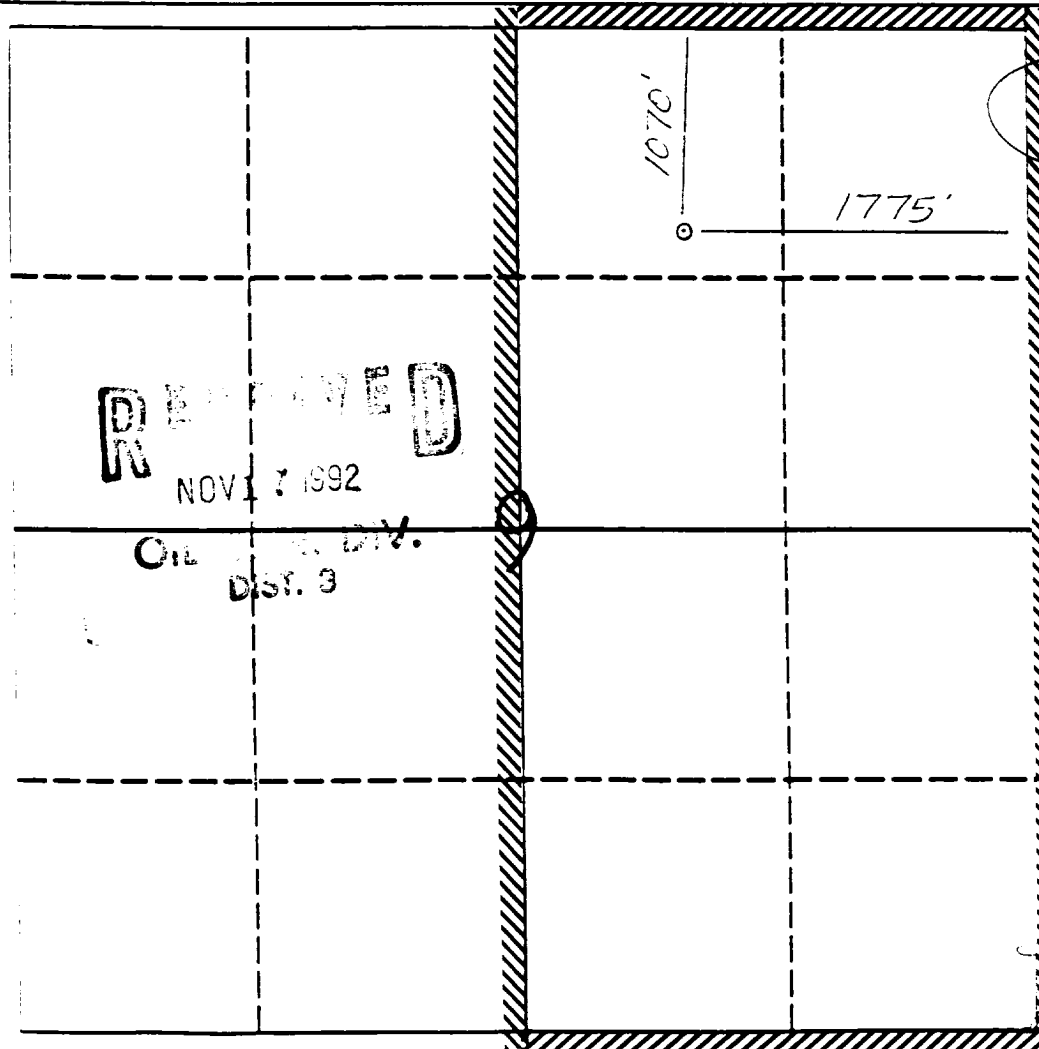
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                    |                                       |                             |                 |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------|-----------------|---------------------------------|
| Operator<br>Meridian Oil Inc.                                                                      |                                       | Lease<br>San Juan 29-7 Unit |                 | Well No.<br>534                 |
| Uas Letter<br>B                                                                                    | Section<br>9                          | Township<br>29 North        | Range<br>7 West | County<br>NMNM Rio Arriba       |
| Actual Footage Location of Well:<br>1070 feet from the North line and 1775 feet from the East line |                                       |                             |                 |                                 |
| Ground level Elev.<br>6152'                                                                        | Producing Formation<br>Fruitland Coal |                             | Pool<br>Basin   | Dedicated Acreage:<br>320 Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☒ Yes ☐ No If answer is "yes" type of consolidation unitization  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Peggy Bradfield*  
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

10-21-92

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

9-14-92

Date Surveyed

Need C. Edwards

Signature of Surveyor

Professional Surveyor

6857

REGISTERED LAND SURVEYOR

Certificate No.

6857

OPERATIONS PLAN

**Well Name:** San Juan 29-7 Unit #534  
**Location:** 1070'FNL, 1775'FEL, Section 9, T-29-N, R-7-W  
 Rio Arriba County, New Mexico  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6152'GL

| Formation:         | Top      | Bottom | Contents         |
|--------------------|----------|--------|------------------|
| Surface            | San Jose | 1995'  |                  |
| Ojo Alamo          | 1995'    | 2168'  | aquifer          |
| Kirtland           | 2168'    | 2694'  |                  |
| Fruitland          | 2694'    | 2790'  |                  |
| Fruitland Coal Top | 2790'    | 2963'  | gas & salt water |
| Pictured Cliffs    | 2972'    |        |                  |
| Total Depth        | 2965'    |        |                  |

**Logging Program:** Mud logs from intermediate to Total Depth.

**Mud Program:**

| Interval   | Type            | Weight  | Vis.  | Fluid Loss |
|------------|-----------------|---------|-------|------------|
| 0- 200'    | Spud            | 8.4-8.9 | 40-50 | no control |
| 200-2770'  | Non-dispersed   | 8.4-9.1 | 30-60 | no control |
| 2770-2965' | Formation Water | 8.4     |       | no control |

**Casing Program:**

| Hole Size | Depth Interval | Csg.Size | Wt.   | Grade |
|-----------|----------------|----------|-------|-------|
| 12 1/4"   | 0' - 200'      | 9 5/8"   | 32.3# | H-40  |
| 8 3/4"    | 0' - 2770'     | 7"       | 20.0# | K-55  |
| 6 1/4"    | 2620' - 2965'  | 5 1/2"   | 15.5# | K-55  |

**Tubing Program:**

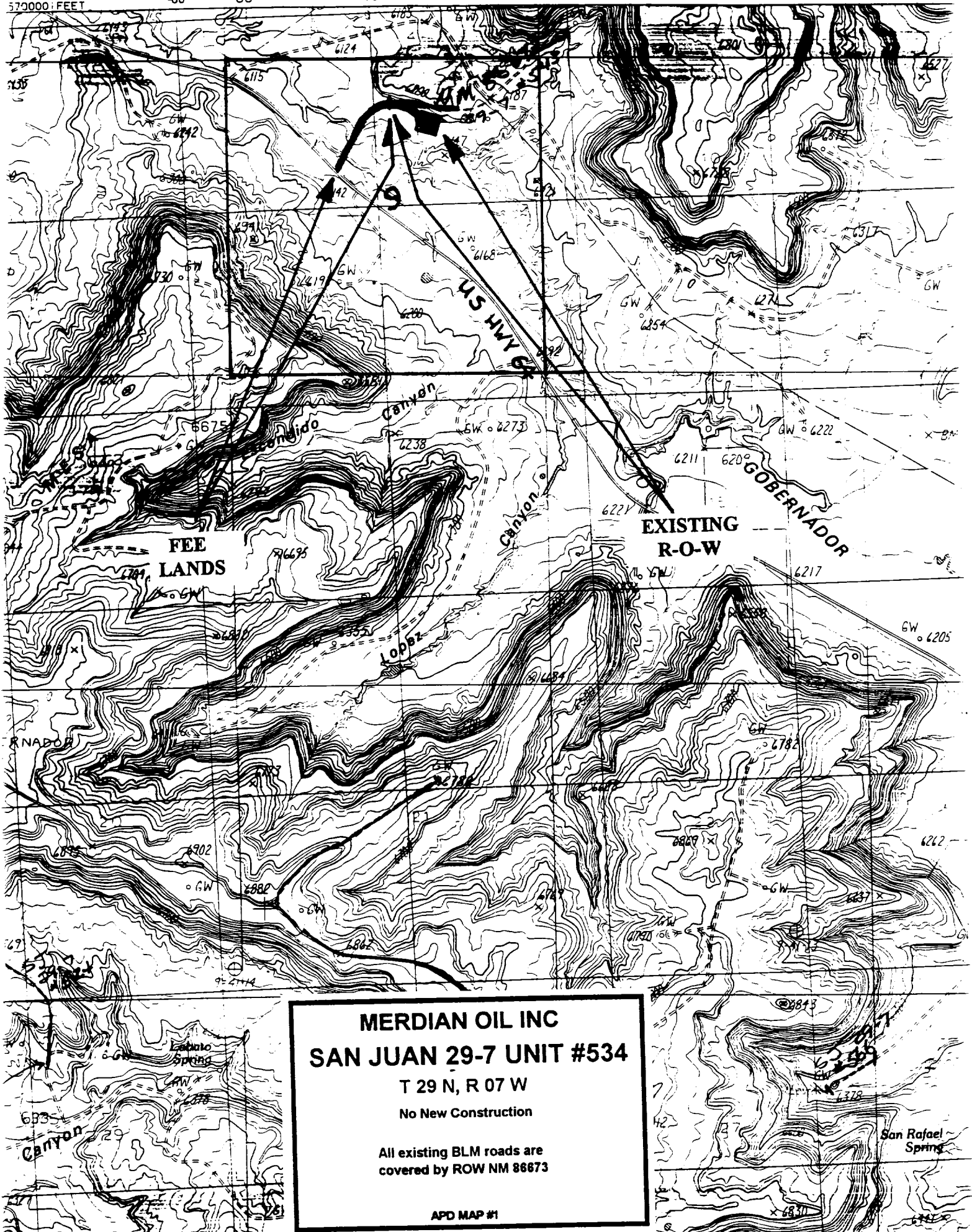
|            |        |      |      |
|------------|--------|------|------|
| 0' - 2965' | 2 3/8" | 4.7# | J-55 |
|------------|--------|------|------|

**Float Equipment:** 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2168'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

**Wellhead Equipment:** 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.



**MERDIAN OIL INC**  
**SAN JUAN 29-7 UNIT #534**

T 29 N, R 07 W

No New Construction

All existing BLM roads are  
covered by ROW NM 86673

APD MAP #1